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name Gardineria Kazantseva-Selezneva, 1981 (Actinopterygii, Osteichthyes)**

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QUESTIONS OF NOMENCLATURE

***Gardinerpiscis* nom. nov., a Replacement Name for the Preoccupied Genus Name *Gardineria* Kazantseva-Selezneva, 1981 (Actinopterygii, Osteichthyes)**

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The generic name *Gardineria* was erected by Vaughan (1907, pp. 65–66) for a Recent scleractinian coral, with the type species *Gardineria hawaiiensis* Vaughan, 1907, named after British zoologist John Stanley Gardiner (1872–1946). The name is still in use and valid.

Kazantseva-Selezneva (1981a, pp. 84–88) later described a “palaeoniscoid” actinopterygian from the Kempir Formation of eastern Kazakhstan that she named *Gardineria* in honor of British paleoichthyologist Brian George Gardiner (born 1934). As this is a junior homonym of *Gardineria* Vaughan, 1907, we suggest, in agreement with the *International Code of Zoological Nomenclature* (1999), the replacement name *Gardinerpiscis* nom. nov. for this taxon. The new combination *Gardinerpiscis akkolkensis* (Kazantseva-Selezneva, 1981) comb. nov. is proposed for the type and only species of this genus.

Forty specimens from the same locality on the Akkolka River, Kenderlyk Depression, eastern Kazakhstan, were referred by Kazantseva-Selezneva (1981a) to the type and only species *Gardineria akkolkensis* Kazantseva-Selezneva, 1981. The chronostratigraphic dating of the Kempir Formation developed only in the Kenderlyk (Kendyrlik) Basin was unclear at the time and Kazantseva-Selezneva (1981a) proposed a Late Permian age based on the ichthyofaunal composition. However, according to the more recent literature, the Kysylkiin Horizon, in which the Kempir Formation is included (Koshkin, 1991), spans from the Sakmarian Stage to the Kungurian Stage of the Early Permian (Seitmuratova et al., 2009). A late Early Permian (Kungurian) age seems to be corroborated by invertebrates (Koshkin, 1991) as

well as by macrofloral and palynological correlation (Salmenova and Koshkin, 1990).

SYSTEMATIC PALEONTOLOGY SUPERCLASS OSTEICHTHYES CLASS ACTINOPTERYGII INCERTAE ORDINIS

Family Karaunguriidae Kazantseva-Selezneva, 1977

Genus *Gardinerpiscis* Romano et Kogan nom. nov.

Gardineria (non Vaughan): Kazantseva-Selezneva, 1981a, p. 84.

Gardineria Kazantseva: Kazantseva-Selezneva, 1981b, p. 581.

Gardineria: Cloutier and Arratia, 2004, p. 219.

Gardineria: Arratia, 2009, p. 228.

“*Gardineria*” Kazantseva-Selezneva: Romano et al. 2014, tab. S3.

Etymology. Following the intentions of A.A. Kazantseva-Selezneva, the new name is dedicated to British paleoichthyologist Brian G. Gardiner and includes the Latin *piscis* (fish).

Type species. *Gardinerpiscis akkolkensis* (Kazantseva-Selezneva, 1981) comb. nov., Kempir Formation, Kysylkiin Horizon, ?Kungurian, late Early Permian; Kenderlyk Basin of the Zaisan Depression, eastern Kazakhstan.

Diagnosis (translated from Kazantseva-Selezneva 1981, p. 84). “Slender, medium-sized fish (about 40 cm long). Head slightly higher than long. Suspensorium oblique. Postorbital maxillary portion nearly as long as its narrow anterior part. Long postorbital bone nearly reaching dermohyal. Long, narrow dermohyal and antoperculum and small epipraeperculum present. Series of suborbital ossifications devel-

oped. Antorbital bone taking part in formation of mouth margin. Supraorbital and dermosphenotic bones present. Operculum twice as high as suboperculum. Anterodorsal margin of suboperculum cropped. Both dermal bones of head and scale cover thin. Ornamentation of scales and bones consisting of flat ridges laterally marked by short, deep furrows. Ridge scales weakly developed. All fins with paired fulcra. Pelvic fins with relatively long rays and short base. Branchiostegal rays numerous.”

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